

ABSTRACT

There is disclosed an ink jet printhead which comprises a plurality of nozzles and one or more heater elements 10 corresponding to each nozzle. Each heater element 10 is
5 configured to heat a bubble forming liquid 11 in the printhead to a temperature above its boiling point to form a gas bubble 12 therein. The generation of the bubble 12 causes the ejection of a drop of an ejectable liquid (such as ink) through an ejection aperture 5 in each nozzle, to effect printing. In each nozzle, the heater element 10 requires less than 8 volts and a current of less than 60 milliamps for less than 1.5 microseconds, in order to form the
10 gas bubble 12 that causes the ejection of the drop of ejectable liquid 11.

Fig. 4